



## RESEARCH NOTE LS-65

LAKE STATES FOREST EXPERIMENT STATION • U. S. DEPARTMENT OF AGRICULTURE

Lake States Pulpwood Production  
Levels Off—1964

The steady upward trend in Lake States pulpwood production so much in evidence in recent years faltered slightly in 1964. The total production was 3,628,000 cords, 1 percent less than the all-time high recorded in 1963. The slight drop was primarily due to a rather sizable decline of 60,000 cords in Wisconsin's pulpwood operations compared with 1963. Minnesota's cut, on the other hand, remained about the same, while Michigan registered a modest gain of about 25,000 cords.

Of the total pulpwood produced in the region, about 96 percent was roundwood; the remaining 4 percent was wood residues supplied by sawmills and other wood-using plants. Although residues, most of which had been chipped before shipment to pulp-mills, were somewhat less than for the previous year, it is becoming apparent that the use of such material for pulping is likely to increase in each of the three Lake States.

Of all the species cut for pulpwood in 1964, only aspen, birch, and pine were cut in larger quantities than in the previous year. The aspen cut continues to climb; it accounted for nearly one-half of the total regional pulpwood cut in 1964, and in Michigan it accounted for more than 50 percent of the total pulpwood harvest. Species that declined the most were balsam fir, spruce, and hemlock—dropping 18, 4, and 4 percent, respectively.

Total 1964 pulpwood receipts at Lake States mills were approximately 4 million cords, a decrease of 2 percent from the previous year. Michigan and Minnesota receipts were up 7 percent and 2 percent, respectively, while those of Wisconsin were down 7 percent. Lake States forests supplied 90 percent of the pulpwood received, Canada 7 percent, and Western States 3 percent—very little change from last year (Table 1).

Table 1.—Geographic origin and destination of pulpwood received by Lake States mills, 1964

Species	Percent of pulpwood originating from:					Percent of pulpwood received by mills in:		
	Minn.	Wis.	Mich.	Canada	Other U.S.	Minn.	Wis.	Mich.
Aspen	26	35	39	*	—	26	49	25
Balsam fir	37	23	35	5	—	27	57	16
Birch	*	52	48	—	—	—	77	23
Hemlock	—	47	53	—	—	—	100	*
Pine	31	25	29	7	8	32	52	16
Spruce	47	4	13	36	*	29	59	12
Tamarack	60	25	15	—	—	—	100	*
Misc. hardwoods <sup>1</sup>	11	54	35	—	—	11	58	31
Residues	2	37	23	—	38	3	96	1
All wood material	26	31	33	7	3	23	57	20
Previous year (1963)	26	31	32	7	4	23	59	18

<sup>1</sup> Mostly dense hardwoods.

\* Less than 1 percent.



Minnesota was the largest supplier of spruce, balsam fir, pine, and tamarack pulpwood; Wisconsin, the largest supplier of paper birch and miscellaneous hardwoods; Michigan the largest supplier of aspen and hemlock; and the Western States the source of

most mill residues.

Table 2 on the reverse side shows pulpwood production by State and species, and imports and exports for the Lake States for 1964.

*Table 2. — Production and imports of pulpwood, Lake States, 1964  
(In standard cords, unpeeled)*

Species and destination	Production by states <sup>1/</sup>				Other U. S. <sup>2/</sup>	Imports		
	Minnesota	Wisconsin	Michigan	Region		Canada	Total imports	Total receipts
Aspen								
Minn.	431,180	15,500	-	446,680	-	8,160	8,160	454,840
Wis.	19,487	585,959	249,334	854,780	-	-	-	854,780
Mich.	-	1,582	425,156	426,738	-	1,914	1,914	428,652
Total	450,667	603,401	674,490	1,728,198	-	10,074	10,074	1,738,272
Balsam fir								
Minn.	64,935	-	-	64,935	-	2,582	2,582	67,517
Wis.	25,112	57,382	56,225	138,719	-	-	-	138,719
Mich. 3/	-	-	28,454	28,454	-	11,103	11,103	39,557
Exported	37	-	275	312	-	-	-	-
Total	90,084	57,382	84,954	232,420	-	13,685	13,685	245,793
Birch, white								
Minn.	-	-	-	-	-	-	-	-
Wis.	254	41,215	20,050	61,519	-	-	-	61,519
Mich.	-	-	18,487	18,487	-	-	-	18,487
Total	254	41,215	38,537	80,006	-	-	-	80,006
Hemlock								
Minn.	-	-	-	-	-	-	-	-
Wis.	-	51,602	58,553	110,155	-	-	-	110,155
Mich.	-	-	10	10	-	-	-	10
Total	-	51,602	58,563	110,165	-	-	-	110,165
Pine								
Minn.	165,367	500	-	165,867	-	47,116	47,116	212,983
Wis.	38,462	167,097	90,328	295,887	54,499	-	54,499	350,386
Mich.	-	-	107,209	107,209	-	-	-	107,209
Total	203,829	167,597	197,537	568,963	54,499	47,116	101,615	670,578
Spruce								
Minn.	148,587	-	-	148,587	-	4,752	4,752	153,339
Wis.	95,677	19,601	49,589	164,867	491	148,598	149,089	313,956
Mich.	-	-	21,430	21,430	-	46,181	46,181	67,611
Exported 3/	11,989	-	889	12,878	-	-	-	-
Total	256,253	19,601	71,908	347,762	491	199,531	200,022	534,906
Tamarack								
Minn.	-	-	-	-	-	-	-	-
Wis.	12,102	4,956	2,920	19,978	-	-	-	19,978
Mich.	-	-	18	18	-	-	-	18
Total	12,102	4,956	2,938	19,996	-	-	-	19,996
Misc. dense hdwds.								
Minn. 4/	43,244	-	-	43,244	-	-	-	43,244
Wis.	257	214,057	18,867	233,181	-	-	-	233,181
Mich. 3/	-	-	127,008	127,008	-	-	-	127,008
Exported	1,150	8,175	-	9,325	-	-	-	-
Total	44,651	222,232	145,875	412,758	-	-	-	403,433
Total roundwood								
Minn.	853,313	16,000	-	869,313	-	62,610	62,610	931,923
Wis.	191,351	1,141,869	545,866	1,879,086	54,990	148,598	203,588	2,082,674
Mich. 3/	-	1,582	727,772	729,354	-	59,198	59,198	788,552
Exported	13,176	8,175	1,164	22,515	-	-	-	-
Total	1,057,840	1,167,626	1,274,802	3,500,268	54,990	270,406	325,396	3,803,149
Residues, softwood								
Minn.	-	-	-	-	-	-	-	-
Wis.	19	11,502	5,113	16,634	79,527	-	79,527	96,161
Mich. 3/	-	-	-	-	-	-	-	-
Exported	-	-	-	-	-	-	-	-
Total	19	11,502	5,113	16,634	79,527	-	79,527	96,161
Residues, hardwood								
Minn.	2,883	2,883	-	5,766	-	-	-	5,766
Wis.	1,791	53,540	36,979	92,310	-	-	-	92,310
Mich.	-	-	2,561	2,561	-	-	-	2,561
Exported 3/	-	8,369	2,000	10,369	-	-	-	-
Total	4,674	64,792	41,540	111,006	-	-	-	100,637
All wood material								
Minn.	856,196	18,883	-	875,079	-	62,610	62,610	937,689
Wis.	193,161	1,206,911	587,958	1,988,030	134,517	148,598	283,115	2,271,145
Mich.	-	1,582	730,333	731,915	-	59,198	59,198	791,113
Exported 3/	13,176	16,544	3,164	32,884	-	-	-	-
Total	1,062,533	1,243,920	1,321,455	3,627,908	134,517	270,406	404,923	3,999,947

1/ Vertical columns of figures under box heading "Production by States" present the amount of pulpwood cut in each State.

2/ Mostly Western States.

3/ Pulpwood shipped to mills outside of Region.

4/ Some balsam poplar and dense hardwoods in Minnesota, mostly dense hardwoods in other States.